

Project Title:	Genotoxicity and Repair of Tobacco-Specific Nitrosamine DNA Adducts
PI:	Spratt, Thomas E.
Institution:	Pennsylvania State Univ Hershey Med Ctr
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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
Base-Displaced Intercalated Structure of the N-(2'-Deoxyguanosin-8-yl)-3-aminobenzanthrone DNA Adduc ...	Politica, Dustin A; Malik, Chanchal K; Basu, Ashis K; Stone, Michael P	Chem Res Toxicol (2015 Dec 21)	28 / 2253-66	PubMed Citation
Biological relevance of oxidative debris present in as-prepared graphene oxide.	Pattammattel, Ajith; Williams, Christina L; Pande, Paritosh; Tsui, William G; Basu, Ashis K; Kumar, Challa Vijaya	RSC Adv (2015 Jan 1)	5 / 59364-59372	PubMed Citation
DNA Polymerases η and ζ Combine to Bypass O(2)-[4-(3-Pyridyl)-4-oxobutyl]thymine, a DNA Adduct Forme ...	Gowda, A S Prakasha; Spratt, Thomas E	Chem Res Toxicol (2016 Mar 21)	29 / 303-16	PubMed Citation
DNA polymerases κ and ζ cooperatively perform mutagenic translesion synthesis of the C8-2'-deoxyguan ...	Bose, Arindam; Pande, Paritosh; Jasti, Vijay P; Millsap, Amy D; Hawkins, Edward K; Rizzo, Carmelo J; Basu, Ashis K	Nucleic Acids Res (2015 Sep 30)	43 / 8340-51	PubMed Citation
Human DNA Polymerase ν Catalyzes Correct and Incorrect DNA Synthesis with High Catalytic Efficiency.	Gowda, A S Prakasha; Moldovan, George-Lucian; Spratt, Thomas E	J Biol Chem (2015 Jun 26)	290 / 16292-303	PubMed Citation
Mechanism of Error-Free Bypass of the Environmental Carcinogen N-(2'-Deoxyguanosin-8-yl)-3-aminobenz ...	Patra, Amritraj; Politica, Dustin A; Chatterjee, Arindom; Tokarsky, E John; Suo, Zucui; Basu, Ashis K; Stone, Michael P; Egli, Martin	ChemBiochem (2016 Nov 03)	17 / 2033-2037	PubMed Citation
Mutagenicity and genotoxicity of (5'S)-8,5'-cyclo-2'-deoxyadenosine in Escherichia coli and replicat ...	Pednekar, Varsha; Weerasooriya, Savithri; Jasti, Vijay P; Basu, Ashis K	Chem Res Toxicol (2014 Feb 17)	27 / 200-10	PubMed Citation
Mutational analysis of the C8-guanine adduct of the environmental carcinogen 3-nitrobenzanthrone in ...	Pande, Paritosh; Malik, Chanchal K; Bose, Arindam; Jasti, Vijay P; Basu, Ashis K	Biochemistry (2014 Aug 19)	53 / 5323-31	PubMed Citation

Replicative bypass of abasic site in Escherichia coli and human cells: similarities and differences.	Weerasooriya, Savithri; Jasti, Vijay P; Basu, Ashis K	PLoS One (2014)	9 / e107915	PubMed Citation
Roles of translesion synthesis DNA polymerases in the potent mutagenicity of tobacco-specific nitros ...	Weerasooriya, Savithri; Jasti, Vijay P; Bose, Arindam; Spratt, Thomas E; Basu, Ashis K	DNA Repair (Amst) (2015 Nov)	35 / 63-70	PubMed Citation
Unlike catalyzing error-free bypass of 8-oxodGuo, DNA polymerase λ is responsible for a significant ...	Pande, Paritosh; Haraguchi, Kazuhiro; Jiang, Yu-Lin; Greenberg, Marc M; Basu, Ashis K	Biochemistry (2015 Mar 17)	54 / 1859-62	PubMed Citation